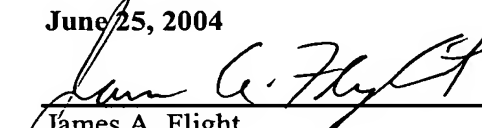


IFW



PATENT  
20004/37-US-A

IN THE UNITED STATES PATENT  
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Applicants: Lu et al.	)	I hereby certify that this paper is
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For: "Apparatus and Method for Measuring	)	Box 1450, Alexandria, VA 22313-
Tuning of a Digital Broadcast Receiver"	)	1450 on this date:
	)	
Group Art Unit: 2611	)	June 25, 2004
	)	
Examiner: Unknown	)	
	)	James A. Flight
	)	Registration No. 37,622
	)	Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The patents and/or publications listed on the enclosed PTO Form-1449 are  
submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98.

**TIME OF FILING**

This information disclosure statement is being filed, to the best of the  
undersigned's knowledge, before the mailing date of a first Office action on the merits. In  
accordance with 37 CFR §1.97(b), no certification or fee is required.

## RELATED APPLICATIONS

Copies of the patents and publications listed on the enclosed PTO Form-1449 are not provided because the patents and publications were previously cited by, or submitted to, the Patent Office in the parent application. The present application presents subject matter similar to subject matter disclosed in the following applications: U.S. Application Serial No. 09/748,961, filed December 27, 2000; U.S. Application Serial No. 09/076,517 filed on May 12, 1998; U.S. Application Serial No. 09/116,397 filed on July 16, 1998; U.S. Application Serial No. 09/427,970 filed on October 27, 1999; and U.S. Application Serial No. 08/428,425 filed on October 27, 1999.

## METHOD OF PAYMENT

☒ No fee is required.

The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 50-2455. A copy of this paper is enclosed.

Correspondence Address:

Respectfully submitted,

GROSSMAN & FLIGHT, LLC.  
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DATED: 6/25/04

By: 

James A. Flight  
Registration No.: 37,622

Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

20004/37-US-A

Serial No.

10/811,543

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Lu et al.

Filing Date

March 29, 2004

Group Art Unit

2611

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*EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	2,630,525	03/03/1953	Tomberlin et al.	250	6	
	2,766,374	10/09/1956	Hoffmann	250	2	
	3,004,104	10/10/1961	Hembrooke	179	2	
	3,492,577	01/27/1970	Reiter et al.	325	31	
	3,760,275	09/18/1973	Ohsawa et al.	325	31	
	3,845,391	10/29/1974	Crosby	325	64	
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	4,313,197	01/26/1982	Maxemchuk	370	111	
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	4,425,642	01/10/1984	Moses et al.	370	76	
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	4,523,311	06/11/1985	Lee et al.	370	69.1	
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	4,703,476	10/27/1987	Howard	370	76	
	4,718,106	01/5/1988	Weinblatt	455	2	
	4,750,173	06/07/1988	Blüthgen	370	111	
	4,771,455	09/13/1988	Hareyama et al.	380	6	

EXAMINER

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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. <b>20004/37 – US</b>	Serial No. <b>09/748,961</b>
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		Applicant <b>Lu et al.</b>	
		Filing Date <b>December 27, 2000</b>	Group Art Unit <b>2661</b>

U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,816,904	03/28/1989	McKenna et al.	358	84	
		4,858,000	08/15/1989	Lu	358	84	
		4,876,617	10/24/1989	Best et al.	360	60	
		4,931,871	06/05/1990	Kramer	358	142	
		4,943,973	07/24/1990	Werner	375	1	
		4,945,412	07/31/1990	Kramer	358	142	
		4,955,070	09/04/1990	Welsh et al.	455	2	
		4,972,471	05/15/1989	Gross et al.	455	2.01	
		4,972,503	11/20/1990	Zurlinden	455	2	
		5,019,899	05/28/1991	Boles et al.	358	84	
		5,023,929	06/11/1991	Call	725	14	
		5,113,437	05/12/1992	Best et al.	380	3	
		5,138,659	08/11/1992	Kelkar	380	20	
		5,155,762	10/13/1992	Croquet et al.	379	92	
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		5,319,735	06/07/1994	Preuss et al.	395	2.14	
		5,373,315	12/13/1994	Dufresne et al.	348	2	
		5,379,345	01/03/1995	Greenberg	380	23	
		5,394,274	02/28/1995	Kahn	360	27	

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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		5,404,377	04/04/1995	Moses	348	1	
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		5,437,050	07/25/1995	Lamb et al.	348	2	
		5,450,122	09/12/1995	Keene	455	2	
		5,450,490	09/12/1995	Jensen et al.	348	1	
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		5,481,294	01/02/1996	Thomas et al.	375	202	
		5,485,518	01/16/1996	Hunter et al.	348	1	
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		5,490,060	02/06/1996	Malec et al.	348	2	
		5,495,282	02/27/1996	Mostafa et al.	364	401	
		5,497,185	03/5/1996	Dufresne et al.	348	5	
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		5,512,933	04/30/1996	Wheatley et al.	348	2	
		5,526,427	06/11/1996	Thomas et al.	348	5	
		5,532,732	07/02/1996	Yuen et al.	380	20	
		5,559,549	09/24/1996	Hendricks et al.	348	1	
		5,572,246	11/05/1996	Ellis et al.	348	6	
		5,574,962	11/12/1996	Fardeau et al.	348	2	
		5,579,124	11/26/1996	Aijala et al.	455	2	
		5,581,800	12/03/1996	Fardeau et al.	386	96	

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,584,050	12/1996	Lyons			
		5,594,934	01/14/1997	Lu et al.	455	2	
		5,600,364	02/04/1997	Hendricks et al.	455	2	
		5,608,445	03/04/1997	Mischler	348	4	
		5,612,729	03/18/1997	Ellis et al.	348	2	
		5,621,454	04/15/1997	Ellis et al.	348	2	
		5,629,739	05/13/1997	Dougherty	348	486	
		5,646,675	07/08/1997	Copriza et al.	348	1	
		5,654,748	08/05/1997	Mathews, III	348	13	
		5,659,350	08/19/1997	Hendricks et al.	348	6	
		5,675,510	10/07/1997	Coffey et al.	364	514A	
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		5,726,701	04/10/1998	Needham	348	2	
		5,737,025	04/07/1998	Dougherty et al.	348	473	
		5,757,414	05/26/1998	Thorne	725	139	
		5,764,763	06/09/1998	Jensen et al.	380	6	
		5,768,680	06/18/1998	Thomas	455	2.01	
		5,771,307	06/23/1998	Lu et al.	382	116	
		5,787,334	07/28/1998	Fardeau et al.	455	2	
		5,796,952	08/18/1998	Davis et al.	395	200.54	
		5,798,785	08/25/1998	Hendricks et al.	348	1	
		5,819,156	10/06/1998	Belmont	455	2	
		5,822,360	10/13/1998	Lee et al.	375	200	

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,832,119	11/03/1998	Rhoads	382	232	
		5,842,010	11/24/1998	Jain et al.	395	675	
		5,848,396	01/05/1999	Gerace	705	10	
		5,857,190	01/05/1999	Brown	707	10	
		5,872,588	02/16/1999	Aras et al.	348	1	
		5,880,789	03/09/1999	Inaba	348	564	
		5,881,360	04/09/1999	Fong	455	2	
		5,889,548	03/30/1999	Chan	348	4	
		5,930,369	07/27/1999	Cox et al.	380	54	
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		5,974,299	10/26/1999	Massetti	725	14	
		6,035,177	03/07/2000	Moses et al.	455	2	02/26/1996
		6,085,066	07/04/2000	Fong	348	1	01/27/1999
		6,112,053	08/29/2000	Dunki-Jacobs et al.	455	2	07/14/1997
		6,124,877	09/26/2000	Schmidt	348	2	12/08/1997
		6,130,726	10/10/2000	Darbee et al.	348	34	05/15/1998
		6,160,570	12/12/2000	Sitnik	348	1	04/20/1998
		6,184,918	02/06/2001	Goldschmidt Iki et al.	348	1	09/30/1997
		6,202,210	03/13/2001	Ludtke	725	20	08/21/1998
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		6,405,370	06/2002	Jarrell			
		6,519,769	02/2003	Hopple et al.			

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,567,978	05/2003	Jarrell			
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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation Yes                  No	
		DE 4316297	07/04/1994	DE	G10L	5/00		
		EP 0243561	04/11/1987	EPO	H04Q	5/04		
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		EP 0598398	07/26/1995	EPO	G07C H04H	13/00 9/00		
		EP 0687083	12/13/1995	EPO	H04H	9/00		X
		EP 0703683	03/27/1996	EPO	H04H	9/00		
		FR 2555383	05/24/1985	France	H04H H04N	9/00 7/00		X
		GB 2170080	07/23/1986	Great Britain	H04N	5/04		
		GB 2260246	04/07/1993	Great Britain	H04H	1/00		
		GB 2292506	02/21/1996	Great Britain	H04N	1/00 9/00		
		JP 07059030	03/03/1995	JP			Abstract Only	
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		Filing Date <b>December 27, 2000</b>	Group Art Unit <b>2661</b>

		WO 9111062	07/25/1991	PCT	H04B H04H	17/00 9/00		
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		WO 9832251	07/23/1998	PCT	H04H	9/00		

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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
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	Namba, S. et al. "A Program Identification Code Transmission System Using Low-Frequency Audio Signals." NHK Laboratories Note, Ser. No. 314, Mar. 1985.
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	Balabanian, V. et al. "An Introduction to Digital Storage Media – Command and Control (DSM-CC). <a href="http://mpeg.telecomitalia.com/documents/dsmcc/dsmcc.htm">http://mpeg.telecomitalia.com/documents/dsmcc/dsmcc.htm</a> . Printed 8/20/02.
	Advanced Television Systems Committee T3/S8 Transport Specialist Group. "Annex G – An Overview of PSIP For Cable." ATSC T3/S8 Doc. 268. April 3, 1998.
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	Purdye, K. et al. "Matching Pictures, Matching Expectations. The BBM Validation Test of TN-AGB's Picture Matching Technology."

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